FEB 2 1987

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MINERAL INDUSTRY SURVEYS

U. S. DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
WASHINGTON, D.C. 20241

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Cement Monthly

CONTIN

CEMENT IN NOVEMBER 1986

Portland cement shipments in the United States and Puerto Rico were 6.60 million short tons in November, according to the Bureau of Mines, U.S. Department of the Interior. This was 6% above shipments in November 1985. Cumulative shipments through November of 82.7 million tons were 5% more than cumulative shipments through November 1985.

The leading portland cement producing States or districts (California, Pennsylvania, Texas, Michigan, and New York-Maine) shipped 38% of the November total. California, Texas, Florida, and New York, the leading consuming States, received 34% of total shipments.

Masonry cement shipments of 265,000 tons in November were 5% above shipments in November 1985. The leading producing States or districts (Pennsylvania, Indiana, Kentucky-Virginia-West Virginia, Florida, and Michigan) shipped 45% of the total and leading consuming States (Florida, Virginia, North Carolina, Georgia, and Maryland) received 40% of total shipments. Cumulative shipments through November of 3.42 million tons were 8% more than cumulative shipments through November 1985.

Imports of cement and clinker were 1.61 million tons in November, or 40% above imports in November 1985. The principal import sources were Mexico, Canada, Spain, and Greece. Cumulative imports through November of 15.3 million tons, were 15% above cumulative imports through November 1985.

Because complete import data were not available for this report, table 8 gives a short summary of November imports. Detailed tables of November imports will appear in a subsequent Mineral Industry Surveys. Tables 5, 6, and 7 contain October import data which were not available for publication in the October report.

ORIGINAL

Prepared in the Division of Industrial Minerals, January 16, 1987.

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TABLE 1. - CEMENT SHIPMENTS BY PRODUCING DISTRICTS FOR MONTH OF NOVEMBER 1986 1/

DISTRICT	FINISHED PORTLAND CEMENT (SHORT TONS) 2/		PREPARED MASONRY CEMENT (SHORT TONS)	
	NOVEMBER	YEAR TO DATE	NOVEMBER	YEAR TO DATE
NEW YORK, MAINE	377,863	3,554,561	7,775	94,599
PENNSYLVANIA EASTERN	375,521	4,309,683	23,312	283,817
PENNSYLVANIA WESTERN	136,076	1,334,165	6,572	88,779
MARYLAND	165,407	1,594,886	14,204	107,115
OHIO	124,324	1,568,454	10,462	123,306
MICHIGAN	407,062	4,303,672	20,205	242,811
INDIANA	162,484	2,038,618	25,498	367,682
ILLINOIS	198,701	2,344,160	3/	3/
GEORGIA, TENNESSEE	130,160	1,368,376	13,144	193,329
SOUTH CAROLINA	143,522	2,098,180	3/	3/
KENTUCKY, VIRGINIA, WEST VIRGINIA	167,927	2,263,299	23,809	268,411
FLORIDA	243,348	2,997,342	20,362	367,984
NEBRASKA, WISCONSIN	58,762	916,565	426	8,683
ALABAMA	289,555	3,359,175	17,299	232,913
ARKANSAS, LOUISIANA, MISSISSIPPI	100,314	1,616,419	4,103	61,740
UTAH	58,866	961,312	79	1,352
SOUTH DAKOTA	39,670	513,819	210	3,573
IOWA	120,549	1,764,691	3,231	43,069
MISSOURI	283,406	4,061,164	9,829	158,769
KANSAS	117,032	1,567,962	3,109	47,549
OKLAHOMA	90,840	1,473,486	2,951	46,172
TEXAS NORTHERN	183,702	3,404,335	6,678	135,221
TEXAS SOUTHERN	291,272	4,334,942	3,277	51,018
IDAHO, MONTANA	39,238	668,275	176	3,061
COLORADO, WYOMING	89,683	1,360,381	3/	3/
ALASKA, OREGON	54,738	441,878		81
ARIZONA, NEVADA, NEW MEXICO	145,484	2,050,497	6,211	82,667
CALIFORNIA NORTHERN	234,954	2,484,813	28	362
CALIFORNIA SOUTHERN	531,413	6,525,561	3/	3/
HAWAII	24,175	260,313	596	6,746
WASHINGTON	46,590	386,523	433	5,436
PUERTO RICO	88,542	1,032,946		
FOREIGN IMPORTS	16,348	16,348		
U.S. TOTAL.....	5,458,248	71,276,771	243,555	3,316,216
FOREIGN IMPORTS....4/	1,137,783	11,401,599	21,035	101,451
TOTAL SHIPMENTS.....	6,596,031	82,678,370	264,590	3,417,667

1/ REVISIONS AND CORRECTIONS SUBMITTED AFTER THE INITIAL REPORT HAVE BEEN INCORPORATED IN THE APPROPRIATE MONTH.
2/ EXCLUDES CEMENT USED IN THE MANUFACTURE OF PREPARED MASONRY CEMENT
3/ WITHHELD TO AVOID DISCLOSING INDIVIDUAL COMPANY PROPRIETARY DATA; INCLUDED IN TOTALS
4/ AS REPORTED BY DOMESTIC AND CANADIAN CEMENT MANUFACTURERS AND OTHER IMPORTERS. SOURCE OF IMPORTS WITHHELD TO AVOID DISCLOSING INDIVIDUAL COMPANY DATA.

TABLE 2. - CEMENT SHIPMENTS BY DESTINATION FOR MONTH OF NOVEMBER ,1986 1/,2/

STATE	FINISHED PORTLAND CEMENT (SHORT TONS)3/		PREPARED MASONRY CEMENT (SHORT TONS)	
	NOVEMBER	YEAR TO DATE	NOVEMBER	YEAR TO DATE
ALABAMA	85,016	1,257,025	8,007	107,158
ALASKA	8,246	115,662	5/	5/
ARIZONA	168,227	2,230,805	5/	5/
ARKANSAS	53,788	750,678	2,862	45,035
CALIFORNIA NORTHERN	318,553	3,322,315	5/	5/
CALIFORNIA SOUTHERN	614,080	7,020,425	5/	5/
COLORADO	91,004	1,384,566	1,429	21,387
CONNECTICUT 4/	108,865	973,104	2,144	19,875
DELAWARE 4/	16,388	208,852	1,042	11,134
DISTRICT OF COLUMBIA 4/	15,035	131,674	118	437
FLORIDA	488,828	5,840,018	39,611	459,823
GEORGIA	206,710	2,923,462	16,003	225,230
HAWAII	24,175	260,313	596	6,746
IDAHO	18,651	280,201	41	526
ILLINOIS	122,928	1,425,924	2,244	27,192
CHICAGO METROPOLITAN 4/	149,781	1,595,216	4,266	54,470
INDIANA	119,192	1,487,532	7,486	89,340
IOWA	71,398	1,012,523	896	11,821
KANSAS	92,666	1,137,919	1,347	19,912
KENTUCKY	78,538	1,041,194	5,121	79,723
LOUISIANA	117,847	1,839,675	3,118	48,263
MAINE	35,784	315,906	744	10,742
MARYLAND	147,365	1,553,179	14,827	147,281
MASSACHUSETTS 4/	189,194	1,574,908	5,487	49,561
MICHIGAN	238,250	2,395,154	9,669	118,489
MINNESOTA 4/	84,865	1,422,719	3,245	42,987
MISSISSIPPI	42,490	784,324	3,352	52,383
MISSOURI	149,697	1,949,017	2,975	43,321
MONTANA	7,608	236,029	57	1,151
NEBRASKA	55,619	743,395	641	10,443
NEVADA	43,666	624,351		12
NEW HAMPSHIRE 4/	44,784	363,051	1,483	14,835
NEW JERSEY 4/	159,418	1,827,126	6,246	80,903
NEW MEXICO	38,771	531,709	562	8,027
NEW YORK EASTERN	72,626	713,233	3,355	39,864
NEW YORK WESTERN	99,830	894,303	4,599	49,292
NEW YORK METROPOLITAN 4/	151,959	1,661,640	4,005	49,557
NORTH CAROLINA 4/	120,361	1,842,912	17,164	246,087
NORTH DAKOTA 4/	19,510	272,118	155	4,082
OHIO	253,255	2,756,873	13,401	155,508
OKLAHOMA	67,041	1,024,624	2,073	31,624
OREGON	41,010	588,560	15	204
PENNSYLVANIA EASTERN	157,169	1,825,649	5,538	64,502
PENNSYLVANIA WESTERN	126,870	1,179,811	6,007	75,981
PUERTO RICO	88,542	1,032,946		
RHODE ISLAND 4/	19,669	185,948	376	5,406
SOUTH CAROLINA	62,265	974,599	8,857	126,393
SOUTH DAKOTA	34,220	336,875	1,971	5,485
TENNESSEE	84,724	1,530,944	9,611	170,080
TEXAS NORTHERN	238,759	4,311,999	6,468	131,362
TEXAS SOUTHERN	281,729	4,196,926	4,029	67,133
UTAH	57,336	891,380	85	1,709
VERMONT 4/	17,529	162,334	489	4,842
VIRGINIA	172,565	2,183,236	18,137	204,049
WASHINGTON	81,191	1,163,826	468	6,128
WEST VIRGINIA	29,404	400,906	1,622	28,127
WISCONSIN	88,355	1,415,580	2,762	44,353
WYOMING	14,200	333,377	42	1,010
U.S. POSS. AND TERR.	5/	5/	5/	5/
FOREIGN COUNTRIES 6/	8,785	137,820	7,742	96,762
TOTAL SHIPMENTS.....	6,596,031	82,578,370	264,590	3,417,667

1/ REVISIONS AND CORRECTIONS SUBMITTED AFTER THE INITIAL REPORT HAVE BEEN INCORPORATED IN THE APPROPRIATE MONTH.

2/ INCLUDES IMPORTED CEMENT SHIPPED BY DOMESTIC AND CANADIAN CEMENT MANUFACTURERS AND OTHER IMPORTERS.

3/ EXCLUDES CEMENT USED IN THE MANUFACTURE OF PREPARED MASONRY CEMENT.

4/ HAS NO CEMENT PRODUCING PLANTS.

5/ INCLUDED WITH FOREIGN COUNTRIES TO AVOID DISCLOSURE OF INDIVIDUAL COMPANY CONFIDENTIAL DATA.

6/ DIRECT SHIPMENTS BY PRODUCERS TO FOREIGN COUNTRIES, AND ALSO STATES INDICATED BY FOOTNOTE 5/.

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TABLE 3. - SHIPMENTS OF FINISHED PORTLAND CEMENT BY STATE OF DESTINATION (1981-1986) FOR MONTH OF NOVEMBER 1/ 2/ PAGE 1
IN THOUSAND SHORT TONS

STATE	1981	1982	1983	1984	1985	5-YEAR AVERAGE	1986	RECORD HIGH- QTY.	RECORD HIGH- YR	-PERCENT CHANGE FROM-- ---CURRENT YEAR TO---- 1985	5-YEAR AVG	RECORD YEAR
ALABAMA	77	73	92	100	116	92	85	117	78	-26.7	-7.6	-27.4
ALASKA	4/	4/	4/	4/	4/	4/	4/	4/	4/	4/	4/	4/
ARIZONA	102	97	140	149	150	128	168	168	86	12.0	31.3	0.0
ARKANSAS	54	41	58	60	56	54	54	75	66	-3.6	0.0	-28.0
CALIFORNIA NORTHERN	178	142	197	221	277	203	319	324	79	15.2	57.1	-1.5
CALIFORNIA SOUTHERN	340	288	399	446	479	389	614	614	86	28.2	57.8	0.0
COLORADO	133	118	114	160	90	123	91	160	84	1.1	-26.0	-43.1
CONNECTICUT 3/	50	61	61	77	75	65	109	109	86	45.3	67.7	0.0
DELAWARE 3/	11	16	13	16	16	14	16	24	73	0.0	14.3	-33.3
DISTRICT OF COLUMBIA 3/	11	13	7	9	9	10	15	38	74	66.7	50.0	-50.0
FLORIDA	358	314	428	479	461	408	489	513	73	6.1	19.9	-4.7
GEORGIA	131	142	207	262	244	197	207	262	84	-15.2	5.1	-21.0
HAWAII	18	15	18	12	19	16	24	44	69	26.3	50.0	-45.5
IDAHO	21	19	19	19	14	18	19	44	76	35.7	5.6	-56.8
ILLINOIS	214	186	232	247	204	217	273	365	73	33.8	25.8	-25.2
INDIANA	89	89	107	110	100	99	119	169	78	19.0	20.2	-29.6
IOWA	68	82	91	108	54	81	71	167	73	31.5	-12.3	-57.5
KANSAS	84	88	83	128	99	96	93	128	84	-6.1	-3.1	-27.3
KENTUCKY	77	73	74	82	75	76	79	123	68	5.3	3.9	-35.8
LOUISIANA	207	182	223	215	215	208	118	225	78	-45.1	-43.3	-47.6
MAINE	19	18	19	23	23	20	36	36	86	56.5	80.0	0.0
MARYLAND	102	108	110	127	120	113	147	147	86	22.5	30.1	0.0
MASSACHUSETTS 3/	89	106	110	126	118	110	189	189	86	60.2	71.8	0.0
MICHIGAN	155	101	135	174	179	149	238	276	68	33.0	59.7	-13.8
MINNESOTA 3/	95	72	92	96	105	92	85	150	78	-19.0	-7.6	-43.3
MISSISSIPPI	66	50	72	66	74	66	42	88	66	-43.2	-36.4	-52.3
MISSOURI	92	110	107	155	109	115	150	175	73	37.6	30.4	-14.3
MONTANA	23	17	18	18	10	17	8	26	79	-20.0	-52.9	-69.2
NEBRASKA	52	55	63	100	41	62	55	100	84	34.1	-11.3	-45.0
NEVADA	30	27	42	42	38	36	44	46	78	15.8	22.2	-4.3
NEW HAMPSHIRE 3/	23	24	22	32	33	27	45	45	86	36.4	66.7	0.0
NEW JERSEY 3/	111	124	134	177	149	139	159	191	73	6.7	14.4	-16.8
NEW MEXICO	52	42	52	56	49	50	39	56	84	-20.4	-22.0	-30.4
NEW YORK EASTERN	40	29	36	48	49	40	73	85	73	49.0	82.5	-14.1
NEW YORK WESTERN	56	58	57	71	63	61	100	100	86	58.7	63.9	0.0
NEW YORK METROPOLITAN 3/	96	119	131	186	134	123	152	175	73	13.4	23.6	-13.1
NORTH CAROLINA	114	129	131	158	145	135	120	179	73	-17.2	-11.1	-33.0
NORTH DAKOTA 3/	38	18	22	20	20	22	20	44	71	0.0	-9.1	-54.5
OHIO	193	168	196	214	192	193	253	333	73	31.8	31.1	-24.0
OKLAHOMA	144	145	166	139	96	138	67	166	83	-30.2	-51.4	-59.6

TABLE 3. - SHIPMENTS OF FINISHED PORTLAND CEMENT BY STATE OF DESTINATION (1981-1986) FOR MONTH OF NOVEMBER 1/ 2/ PAGE 2
IN THOUSAND SHORT TONS

STATE	1981	1982	1983	1984	1985	5-YEAR AVERAGE	1986	RECORD HIGH- QTY.	RECORD HIGH- YR	-PERCENT CHANGE FROM-- ---CURRENT YEAR TO---- 1985	5-YEAR AVG	RECORD YEAR
OREGON	37	37	33	39	29	35	41	75	79	41.4	17.1	-45.3
PENNSYLVANIA EASTERN	120	128	136	151	147	136	157	188	73	6.8	15.4	-16.5
PENNSYLVANIA WESTERN	69	59	87	92	80	77	127	127	86	58.8	64.9	0.0
RHODE ISLAND 3/	11	13	10	15	15	13	20	21	67	33.3	53.8	-4.8
SOUTH CAROLINA	72	69	73	85	80	76	62	89	73	-22.5	-18.4	-30.3
SOUTH DAKOTA	17	14	18	19	10	16	34	34	86	240.0	112.5	0.0
TENNESSEE	91	81	108	119	139	108	85	141	78	-38.8	-21.3	-39.7
TEXAS	771	693	860	847	777	790	520	860	83	-33.1	-34.2	-39.5
UTAH	57	51	65	74	53	60	57	82	77	7.5	-5.0	-30.5
VERMONT 3/	10	11	11	13	15	12	18	18	86	20.0	50.0	0.0
VIRGINIA	123	122	148	180	162	147	173	209	73	6.8	17.7	-17.2
WASHINGTON	73	78	71	83	48	69	81	163	79	68.8	17.4	-50.3
WEST VIRGINIA	43	39	34	28	25	34	29	55	78	16.0	-14.7	-47.3
WISCONSIN	98	77	103	91	77	89	88	156	78	14.3	-1.1	-43.6
WYOMING	40	28	21	27	17	27	14	40	81	-17.6	-48.1	-65.0
PUERTO RICO	87	77	78	78	78	80	89	165	73	14.1	11.3	-46.1
FOREIGN COUNTRIES	4/	4/	4/	4/	4/	4/	4/	4/	4/	4/	4/	4/
UNDISTRIBUTED 5/	35	31	21	25	14	25	17	42	73	21.4	-32.0	-59.5
TOTAL	5559	5151	6155	6844	6266	5995	6597	7258	73	5.3	10.0	-9.1

1/ INCLUDES IMPORTED CEMENT SHIPPED BY DOMESTIC AND CANADIAN CEMENT MANUFACTURERS AND OTHER IMPORTERS.
2/ EXCLUDES CEMENT USED IN THE MANUFACTURE OF PREPARED MASONRY CEMENT
3/ HAS NO CEMENT PRODUCING PLANT.
4/ INCLUDED WITH UNDISTRIBUTED TO AVOID DISCLOSURE OF INDIVIDUAL COMPANY DATA.
5/ DIRECT SHIPMENTS BY PRODUCERS TO FOREIGN COUNTRIES, AND ALSO STATES INDICATED BY FOOTNOTE 4/.

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TABLE 4. - SHIPMENTS OF PREPARED MASONRY CEMENT BY STATE OF DESTINATION (1981-1986) FOR MONTH OF NOVEMBER 1/ PAGE 5
IN THOUSAND SHORT TONS

STATE	1981	1982	1983	1984	1985	5-YEAR AVERAGE	1986	RECORD HIGH- QTY.	RECORD HIGH- YR	-PERCENT CHANGE FROM-- ---CURRENT YEAR TO---- 1985	5-YEAR AVG	RECORD YEAR
ALABAMA	5	6	8	8	9	7	8	11	78	-11.1	14.3	-27.3
ALASKA	3/	3/	3/	3/	3/	3/	3/	3/	3/	3/	3/	3/
ARIZONA	3/	3/	3/	3/	3/	3/	3/	3/	3/	3/	3/	3/
ARKANSAS	3	2	3	4	3	3	3	6	77	0.0	0.0	-50.0
CALIFORNIA NORTHERN		4/					4/	4/	82	0.0	0.0	0.0
CALIFORNIA SOUTHERN			4/	4/	4/		4/	1	77	0.0	0.0	-100.0
COLORADO	2	2	2	2	1	2	1	3	77	0.0	-50.0	-66.7
CONNECTICUT 2/	1	1	2	2	1	1	2	2	78	100.0	100.0	0.0
DELAWARE 2/	4/	1	1	1	1	1	1	1	73	0.0	0.0	0.0
DISTRICT OF COLUMBIA 2/	4/	4/	4/	4/	4/		4/	3	71	0.0	0.0	-100.0
FLORIDA	27	26	36	41	38	34	40	42	73	5.3	17.6	-4.8
GEORGIA	10	12	16	18	18	15	16	19	72	-11.1	6.7	-15.8
HAWAII	1	4/	4/	4/	1	4/	1	1	73	0.0	0.0	0.0
IDAHO	4/	4/	4/	4/	4/		4/	4/	76	0.0	0.0	0.0
ILLINOIS	6	4	6	6	5	5	7	12	78	40.0	40.0	-41.7
INDIANA	5	5	7	6	6	6	7	11	77	16.7	16.7	-36.4
IOWA	1	1	1	1	1	1	1	3	76	0.0	0.0	-66.7
KANSAS	2	2	2	2	1	2	1	3	78	0.0	-50.0	-66.7
KENTUCKY	6	6	6	6	5	6	5	10	78	0.0	-16.7	-50.0
LOUISIANA	5	5	7	6	5	6	3	9	78	-40.0	-50.0	-66.7
MAINE	1	1	1	1	1	1	1	1	73	0.0	0.0	0.0
MARYLAND	8	10	10	11	10	10	15	15	86	50.0	50.0	0.0
MASSACHUSETTS 2/	3	3	3	4	4	3	5	5	86	25.0	66.7	0.0
MICHIGAN	6	5	6	7	7	6	10	16	68	42.9	66.7	-37.5
MINNESOTA 2/	2	3	3	3	3	3	3	5	78	0.0	0.0	-40.0
MISSISSIPPI	4	4	5	5	5	5	3	8	78	-40.0	-40.0	-62.5
MISSOURI	2	3	3	3	3	3	3	6	78	0.0	0.0	-50.0
MONTANA	4/	4/	4/	4/	4/		4/	4/	76	0.0	0.0	0.0
NEBRASKA	1	1	1	1	4/	1	1	2	77	0.0	0.0	-50.0
NEVADA								4/	78	0.0	0.0	0.0
NEW HAMPSHIRE 2/	1	1	1	1	1	1	1	1	73	0.0	0.0	0.0
NEW JERSEY 2/	5	5	5	7	6	6	6	7	73	0.0	0.0	-14.3
NEW MEXICO	1	1	1	1	1	1	1	2	77	0.0	0.0	-50.0
NEW YORK EASTERN	2	2	2	3	3	2	3	4	73	0.0	50.0	-25.0
NEW YORK WESTERN	2	3	3	4	3	3	5	6	73	66.7	66.7	-16.7
NEW YORK METROPOLITAN 2/	3	4	5	4	4	4	4	5	83	0.0	0.0	-20.0
NORTH CAROLINA	13	14	16	19	17	16	17	29	73	0.0	6.3	-41.4
NORTH DAKOTA 2/	1	4/	4/	4/	4/	4/	4/	1	78	0.0	0.0	-100.0
OHIO	9	9	10	10	9	9	13	19	78	44.4	44.4	-31.6
OKLAHOMA	4	5	6	4	2	4	2	6	78	0.0	-50.0	-66.7

TABLE 4. - SHIPMENTS OF PREPARED MASONRY CEMENT BY STATE OF DESTINATION (1981-1986) FOR MONTH OF NOVEMBER 1/ PAGE 6
IN THOUSAND SHORT TONS

STATE	1981	1982	1983	1984	1985	5-YEAR AVERAGE	1986	RECORD HIGH- QTY.	RECORD HIGH- YR	-PERCENT CHANGE FROM-- ---CURRENT YEAR TO---- 1985	5-YEAR AVG	RECORD YEAR
OREGON	4/	4/	4/	4/	4/		4/	4/	79	0.0	0.0	0.0
PENNSYLVANIA EASTERN	4	4	5	5	5	5	6	6	73	20.0	20.0	0.0
PENNSYLVANIA WESTERN	5	4	5	4	5	5	6	9	78	20.0	20.0	-33.3
RHODE ISLAND 2/	4/	4/	4/	4/	4/		4/	4/	76	0.0	0.0	0.0
SOUTH CAROLINA	6	8	10	10	8	8	9	14	72	12.5	12.5	-35.7
SOUTH DAKOTA	4/	4/	4/	4/	4/		2	2	86	0.0	0.0	0.0
TENNESSEE	8	8	11	12	12	10	10	17	78	-16.7	0.0	-41.2
TEXAS	16	19	26	24	19	21	10	26	83	-47.4	-52.4	-61.5
UTAH	4/	4/	4/	4/	4/		4/	4/	78	0.0	0.0	0.0
VERMONT 2/	4/	4/	4/	4/	4/		4/	1	78	0.0	0.0	-100.0
VIRGINIA	9	11	12	14	13	12	10	21	73	38.5	58.0	-14.3
WASHINGTON	1	4/	1	4/	4/	4/	4/	1	79	0.0	0.0	-100.0
WEST VIRGINIA	2	3	2	2	2	2	2	4	77	0.0	0.0	-50.0
WISCONSIN	3	2	3	3	3	3	3	7	78	0.0	0.0	-57.1
WYOMING	4/	4/	4/	4/	4/		4/	4/	77	0.0	0.0	0.0
PUERTO RICO									88	0.0	0.0	0.0
FOREIGN COUNTRIES	3/	3/	3/	3/	3/	3/	3/	3/	3/	3/	3/	3/
UNDISTRIBUTED 5/	4	4	8	8	7	6	7	9	78	0.0	16.7	-22.2
TOTAL	200	210	261	273	248	233	202	337	78	0.6	10.1	-28.3

1/ INCLUDES IMPORTED CEMENT SHIPPED BY DOMESTIC AND CANADIAN CEMENT MANUFACTURERS AND OTHER IMPORTERS.
2/ HAS NO CEMENT PRODUCING PLANT.
3/ INCLUDED WITH UNDISTRIBUTED TO AVOID DISCLOSURE OF INDIVID UAL COMPANY DATA.
4/ LESS THAN 1/2 UNIT.
5/ DIRECT SHIPMENTS BY PRODUCER TO FOREIGN COUNTRIES, AND ALSO STATES INDICATED BY FOOTNOTE 3/.

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TABLE 5. - HYDRAULIC CEMENT 1/ AND CLINKER 2/ IMPORTED FOR CONSUMPTION IN THE UNITED STATES
OCTOBER 1986 BY COUNTRY AND CUSTOMS DISTRICT 3/
(SHORT TONS)

CUSTOMS DISTRICT	BAHAMAS	BAHRAIN	BARBADOS	BELGIUM-LUXEMBOURG	BRAZIL	BURUNDI	CANADA	CHINA	COLOMBIA
ANCHORAGE, ALASKA							1,183		
BALTIMORE, MD.									
BOSTON, MASS.							25,046		
BUFFALO, N.Y.							94,490		
CHARLESTON, S.C.									
CHICAGO, ILL.									
CLEVELAND, OHIO							16,536		
DETROIT, MICH.							15,627		
DULUTH, MINN.							21,583		
EL PASO, TEX.									
GREAT FALLS, MONT.							278		
HONOLULU, HAWAII									
HOUSTON, TEX.									
LAREDO, TEX.									
LOS ANGELES, CALIF.									
MIAMI, FLA.									
MOBILE, ALA.									
NEW ORLEANS, LA.									
NEW YORK CITY, N.Y.									22,347
NOGALES, ARIZ.									
NORFOLK, VA.	12,192								
OGDENSBURG, N.Y.							30,349		
PEMBINA, N. DAK.							6,269		
PHILADELPHIA, PA.									
PORT ARTHUR, TEX.									
PORTLAND, MAINE							1,374		
PORTLAND, OREG.									
PROVIDENCE, R.I.							31,800		6,368
SAN DIEGO, CALIF.									
SAN FRANCISCO, CALIF.							18,710		
SAN JUAN, P.R.			2,536	1,874					
SAVANNAH, GA.									
SEATTLE, WASH.							34,007		
ST. ALBANS, VT.							31,312		
TAMPA, FLA.									61,616
VIRGIN ISLANDS OF U.S.									5,056
WILMINGTON, N.C.									
OCTOBER:									
QUANTITY 4/	12,192		2,536	1,874			339,564		95,387
VALUE 5/	$534,644		$124,142	$193,871			$14,001,807		$3,283,051
YEAR-TO-DATE:									
QUANTITY 4/	25,996	50,616	40,096	10,219	1,122	3,912	2,728,255	54	746,127
VALUE 5/	$1,065,923	$1,636,197	$1,904,453	$1,231,563	$121,863	$128,000	$112,385,808	$11,657	$22,869,254

TABLE 5. - HYDRAULIC CEMENT 1/ AND CLINKER 2/ IMPORTED FOR CONSUMPTION IN THE UNITED STATES
OCTOBER 1986 BY COUNTRY AND CUSTOMS DISTRICT 3/ - CONTINUED
(SHORT TONS)

CUSTOMS DISTRICT	COSTA RICA	DENMARK	DOMINICAN REPUBLIC	FRANCE	GERMANY, WEST	GREECE	HONDURAS	JAPAN
ANCHORAGE, ALASKA								12,125
BALTIMORE, MD.						10,031		19
BOSTON, MASS.								
BUFFALO, N.Y.								
CHARLESTON, S.C.								
CHICAGO, ILL.					45			
CLEVELAND, OHIO								
DETROIT, MICH.								
DULUTH, MINN.								
EL PASO, TEX.								
GREAT FALLS, MONT.								
HONOLULU, HAWAII								
HOUSTON, TEX.					2			
LAREDO, TEX.								
LOS ANGELES, CALIF.		1,999			40			19
MIAMI, FLA.								
MOBILE, ALA.						3,949		
NEW ORLEANS, LA.				56,051				
NEW YORK CITY, N.Y.					18	30,501		
NOGALES, ARIZ.								
NORFOLK, VA.								
OGDENSBURG, N.Y.								
PEMBINA, N. DAK.								
PHILADELPHIA, PA.								
PORT ARTHUR, TEX.								
PORTLAND, MAINE								
PORTLAND, OREG.								
PROVIDENCE, R.I.								
SAN DIEGO, CALIF.								
SAN FRANCISCO, CALIF.								
SAN JUAN, P.R.							5,571	
SAVANNAH, GA.								
SEATTLE, WASH.								37,478
ST. ALBANS, VT.								
TAMPA, FLA.				31,000				
VIRGIN ISLANDS OF U.S.								
WILMINGTON, N.C.								
OCTOBER:								
QUANTITY 4/		1,999		87,051	105	44,481	5,571	49,641
VALUE 5/		$222,711		$2,546,050	$58,048	$2,076,213	$238,820	$1,512,133
YEAR-TO-DATE:								
QUANTITY 4/	175	45,919	1,336	589,598	1,787	1,028,841	17,469	722,128
VALUE 5/	$8,269	$4,867,683	$44,157	$21,853,199	$541,264	$27,181,181	$763,924	$24,044,401

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TABLE 5. - HYDRAULIC CEMENT 1/ AND CLINKER 2/ IMPORTED FOR CONSUMPTION IN THE UNITED STATES
OCTOBER 1986 BY COUNTRY AND CUSTOMS DISTRICT 3/ - CONTINUED
(SHORT TONS)

CUSTOMS DISTRICT	KOREA, REPUBLIC OF	LEEWARD AND WINDWARD	MALAYSIA	MEXICO	NETHERLANDS	PANAMA	PHILIPPINES	SPAIN
ANCHORAGE, ALASKA								
BALTIMORE, MD.								23,148
BOSTON, MASS.				13,979				
BUFFALO, N.Y.								
CHARLESTON, S.C.								
CHICAGO, ILL.								
CLEVELAND, OHIO								
DETROIT, MICH.								
DULUTH, MINN.								
EL PASO, TEX.				38,368				
GREAT FALLS, MONT.								
HONOLULU, HAWAII								
HOUSTON, TEX.				6,660				
LAREDO, TEX.				21,656				
LOS ANGELES, CALIF.	40,913							36,363
MIAMI, FLA.				14,157				
MOBILE, ALA.								
NEW ORLEANS, LA.				56,599				59,728
NEW YORK CITY, N.Y.								52,895
NOGALES, ARIZ.				48,872				
NORFOLK, VA.								
OGDENSBURG, N.Y.								
PEMBINA, N. DAK.								
PHILADELPHIA, PA.								827
PORT ARTHUR, TEX.								
PORTLAND, MAINE								
PORTLAND, OREG.								
PROVIDENCE, R.I.				11,812				
SAN DIEGO, CALIF.				26,770			16,605	
SAN FRANCISCO, CALIF.	28,109			19,661				
SAN JUAN, P.R.				184				
SAVANNAH, GA.								4,023
SEATTLE, WASH.								
ST. ALBANS, VT.								
TAMPA, FLA.				61,621				35,568
VIRGIN ISLANDS OF U.S.		47						
WILMINGTON, N.C.								
OCTOBER:								
QUANTITY 4/	69,022	47		312,349			16,605	212,553
VALUE 5/	$1,753,304	$4,629		$10,126,805			$143,108	$6,931,074
YEAR-TO-DATE:								
QUANTITY 4/	308,816	3,861	42	3,405,535	2,227	14,574	16,605	2,708,720
VALUE 5/	$9,887,416	$167,353	$2,640	$108,196,858	$1,202,783	$345,074	$143,108	$93,338,008

TABLE 5. - HYDRAULIC CEMENT 1/ AND CLINKER 2/ IMPORTED FOR CONSUMPTION IN THE UNITED STATES
OCTOBER 1986 BY COUNTRY AND CUSTOMS DISTRICT 3/ - CONTINUED
(SHORT TONS)

CUSTOMS DISTRICT	TAIWAN	TURKEY	UNITED KINGDOM	VENEZUELA	YUGOSLAVIA	TOTAL 4/ OCTOBER	TOTAL 4/ TO DATE
ANCHORAGE, ALASKA						13,308	44,680
BALTIMORE, MD.						33,198	193,348
BOSTON, MASS.						39,025	226,544
BUFFALO, N.Y.						94,490	795,036
CHARLESTON, S.C.							59,972
CHICAGO, ILL.						45	208
CLEVELAND, OHIO						16,536	24,879
DETROIT, MICH.						19,627	294,941
DULUTH, MINN.						21,583	157,003
EL PASO, TEX.						38,368	415,033
GREAT FALLS, MONT.						278	919
HONOLULU, HAWAII							67,317
HOUSTON, TEX.						6,662	737,160
LAREDO, TEX.						21,666	162,248
LOS ANGELES, CALIF.	15					79,349	779,995
MIAMI, FLA.				19,640		33,797	1,033,695
MOBILE, ALA.						3,949	631,847
NEW ORLEANS, LA.						172,379	1,324,721
NEW YORK CITY, N.Y.						105,761	1,059,917
NOGALES, ARIZ.						40,872	317,786
NORFOLK, VA.						12,192	284,872
OGDENSBURG, N.Y.						36,349	332,149
PEMBINA, N. DAK.						6,269	43,961
PHILADELPHIA, PA.						827	99,022
PORT ARTHUR, TEX.				27,483		27,483	185,747
PORTLAND, MAINE						1,374	22,787
PORTLAND, OREG.							48,977
PROVIDENCE, R.I.						49,980	230,606
SAN DIEGO, CALIF.						43,375	545,323
SAN FRANCISCO, CALIF.						66,480	336,904
SAN JUAN, P.R.						9,865	146,912
SAVANNAH, GA.						4,023	103,761
SEATTLE, WASH.						71,485	427,646
ST. ALBANS, VT.						31,312	323,948
TAMPA, FLA.				11,020		200,825	2,054,619
VIRGIN ISLANDS OF U.S.				48		5,143	33,876
WILMINGTON, N.C.							111,593
OCTOBER:							
QUANTITY 4/	15			58,103		1,307,795	
VALUE 5/	$5,614			$1,630,309		$45,445,533	
YEAR-TO-DATE:							
QUANTITY 4/	15	6	3	1,192,189	1,817		13,659,952
VALUE 5/	$5,614	$4,470	$4,297	$38,412,732	$543,116		$472,912,195

1/ INCLUDES WHITE CEMENT AS SHOWN IN TABLE 6.
2/ INCLUDES CLINKER AS SHOWN IN TABLE 7.
3/ INCLUDES PUERTO RICO.
4/ DATA MAY NOT ADD TO TOTALS SHOWN BECAUSE OF INDEPENDENT ROUNDING.
5/ VALUE=CIF (COST, INSURANCE AND FREIGHT).
SOURCE: U.S. BUREAU OF THE CENSUS.

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TABLE 6. - WHITE CEMENT IMPORTED FOR CONSUMPTION IN THE UNITED STATES
OCTOBER 1986 BY COUNTRY AND CUSTOMS DISTRICT 1/ 2/
(SHORT TONS)

CUSTOMS DISTRICT	BARBADOS	BELGIUM, LUXEMBOURG	BRAZIL	CANADA	COLOMBIA	DENMARK	DOMINICAN REPUBLIC	GERMANY, WEST
ANCHORAGE, ALASKA								
BUFFALO, N.Y.				W				
DETROIT, MICH.				W				
EL PASO, TEX.								
GREAT FALLS, MONT.								
HONOLULU, HAWAII								
LAREDO, TEX.								
LOS ANGELES, CALIF.						W		
MIAMI, FLA.								
NEW YORK CITY, N.Y.								
NOGALES, ARIZ.								
OGDENSBURG, N.Y.								
PHILADELPHIA, PA.								
PORTLAND, MAINE								
SAN DIEGO, CALIF.								
SAN JUAN, P.R.		1,574						
SEATTLE, WASH.								
ST. ALBANS, VT.								
TAMPA, FLA.								
VIRGIN ISLANDS OF U.S.					3,056			
OCTOBER:								
QUANTITY 3/		1,574		W	3,056	W		
VALUE 4/		$193,871		W	$381,647	W		
YEAR-TO-DATE:								
QUANTITY 3/	10,251	9,946	1,122	W	19,018	W	829	670
VALUE 4/	$446,945	$1,190,362	$121,863	W	$1,852,668	W	$23,259	$63,242

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TABLE 6. - WHITE CEMENT IMPORTED FOR CONSUMPTION IN THE UNITED STATES
OCTOBER 1986 BY COUNTRY AND CUSTOMS DISTRICT 1/ 2/ - CONTINUED
(SHORT TONS)

CUSTOMS DISTRICT	JAPAN	KOREA, REPUBLIC OF	LEEWARD AND WINDWARD	MEXICO	SPAIN	VENEZUELA	TOTAL 3/ OCTOBER	TOTAL 3/ TO DATE
ANCHORAGE, ALASKA								39
BUFFALO, N.Y.							W	W
DETROIT, MICH.							W	W
EL PASO, TEX.				217			217	2,444
GREAT FALLS, MONT.								2
HONOLULU, HAWAII								15
LAREDO, TEX.				1,249			1,249	13,266
LOS ANGELES, CALIF.							W	W
MIAMI, FLA.								4,742
NEW YORK CITY, N.Y.								10,453
NOGALES, ARIZ.								851
OGDENSBURG, N.Y.								92
PHILADELPHIA, PA.					827		827	6,335
PORTLAND, MAINE								28
SAN DIEGO, CALIF.				736			736	8,988
SAN JUAN, P.R.							1,574	27,293
SEATTLE, WASH.								18
ST. ALBANS, VT.								3
TAMPA, FLA.								36,624
VIRGIN ISLANDS OF U.S.						40	3,096	30,243
OCTOBER:								
QUANTITY 3/				2,202	827	40	17,484	
VALUE 4/				$195,477	$72,625	$46,538	$2,149,374	
YEAR-TO-DATE:								
QUANTITY 3/	1,410	39	3,228	27,485	19,174	8,622		227,806
VALUE 4/	$788,342	$8,350	$130,632	$2,559,474	$3,835,964	$439,067		$27,056,735

W WITHHELD TO AVOID DISCLOSING COMPANY PROPRIETARY DATA.
1/ DATA INCLUDED IN TABLE 5.
2/ INCLUDES PUERTO RICO.
3/ DATA MAY NOT ADD TO TOTALS SHOWN BECAUSE OF INDEPENDENT ROUNDING.
4/ VALUE=CIF (COST, INSURANCE AND FREIGHT).
SOURCE: U.S. BUREAU OF THE CENSUS.

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TABLE 7. - CLINKER IMPORTED FOR CONSUMPTION IN THE UNITED STATES
OCTOBER 1986 BY COUNTRY AND CUSTOMS DISTRICT 1/ 2/
(SHORT TONS)

CUSTOMS DISTRICT	CANADA	COLOMBIA	FRANCE	GREECE	JAPAN	KOREA, REPUBLIC OF	MEXICO	PHILIPPINES
ANCHORAGE, ALASKA								
BALTIMORE, MD.								
BUFFALO, N.Y.								
CHARLESTON, S.C.								
DETROIT, MICH.								
EL PASO, TEX.								
HONOLULU, HAWAII								
HOUSTON, TEX.								
LAREDO, TEX.								
LOS ANGELES, CALIF.							219	
MOBILE, ALA.				3,949				
NEW ORLEANS, LA.			36,428				12,125	
NEW YORK CITY, N.Y.		15,899						
NORFOLK, VA.								
PHILADELPHIA, PA.								
PORT ARTHUR, TEX.								
PORTLAND, MAINE								
SAN DIEGO, CALIF.							101	16,685
SAN FRANCISCO, CALIF.						28,189		
SAN JUAN, P.R.								
SEATTLE, WASH.	12,056				17,637			
ST. ALBANS, VT.								
TAMPA, FLA.			31,000				47,670	
OCTOBER:								
QUANTITY 3/	12,056	15,899	67,428	3,949	17,637	28,189	60,115	16,685
VALUE 4/	$508,639	$457,582	$1,547,382	$874,920	$454,387	$635,961	$1,323,923	$143,188
YEAR-TO-DATE:								
QUANTITY 3/	347,173	217,737	464,185	428,582	286,477	28,189	912,248	16,685
VALUE 4/	$12,322,676	$5,378,342	$12,825,488	$11,395,838	$5,428,885	$635,961	$20,899,782	$143,188

TABLE 7. - CLINKER IMPORTED FOR CONSUMPTION IN THE UNITED STATES OCTOBER 1944 BY COUNTRY AND CUSTOMS DISTRICT 1/ 2/ - CONTINUED
(SHORT TONS)

CUSTOMS DISTRICT	SPAIN	VENEZUELA	TOTAL 3/ OCTOBER	TOTAL 3/ TO DATE
ANCHORAGE, ALASKA				500
BALTIMORE, MD.				32,599
BUFFALO, N.Y.				24
CHARLESTON, S.C.				55,972
DETROIT, MICH.				137,955
EL PASO, TEX.				38,131
HONOLULU, HAWAII				51,786
HOUSTON, TEX.				386,599
LAREDO, TEX.			219	219
LOS ANGELES, CALIF.				46,430
MOBILE, ALA.			3,949	631,847
NEW ORLEANS, LA.			48,545	380,701
NEW YORK CITY, N.Y.	24,846		40,745	218,502
NORFOLK, VA.				31,592
PHILADELPHIA, PA.				898
PORT ARTHUR, TEX.		27,403	27,403	185,747
PORTLAND, MAINE				12,872
SAN DIEGO, CALIF.			16,786	97,767
SAN FRANCISCO, CALIF.			28,189	84,636
SAN JUAN, P.R.				33,761
SEATTLE, WASH.			29,693	194,758
ST. ALBANS, VT.				1,121
TAMPA, FLA.	32,303		110,973	825,083
OCTOBER:				
QUANTITY 3/	57,149	27,403	306,342	
VALUE 4/	$1,462,969	$632,166	$8,048,957	
YEAR-TO-DATE:				
QUANTITY 3/	619,146	213,466		3,453,728
VALUE 4/	$15,382,641	$4,839,322		$88,452,835

1/ DATA INCLUDED IN TABLE 5.
2/ INCLUDES PUERTO RICO.
3/ DATA MAY NOT ADD TO TOTALS SHOWN BECAUSE OF INDEPENDENT ROUNDING.
4/ VALUE=CIF (COST, INSURANCE AND FREIGHT).
SOURCE: U.S. BUREAU OF THE CENSUS.

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Table 8.--Summary of cement and clinker imported for consumption in the United States and Puerto Rico, November 1986

(Short tons and thousand dollars 1/)

Country of origin	Hydraulic cement		White cement		Clinker	
	Quantity	Value	Quantity	Value	Quantity	Value
Bahamas	9,393	364	--	--	--	--
Barbados	2,333	111	--	--	--	--
Belgium	--	--	652	79	--	--
Brazil	--	--	176	16	--	--
Canada	313,665	12,647	W	W	5,033	212
China	120	14	--	--	--	--
Colombia	59,772	2,105	850	74	29,499	795
Costa Rica	77	3	--	--	--	--
Denmark	--	--	W	W	--	--
France	14,330	665	--	--	65,229	1,498
Germany, Federal Republic of	153	84	--	--	--	--
Greece	118,155	3,185	--	--	27,061	608
Honduras	2,171	96	--	--	--	--
Japan	--	--	--	--	27,535	762
Korea, Republic of	106,059	3,602	--	--	--	--
Mexico	381,923	12,310	1,588	146	116,142	2,260
Morocco	99	5	--	--	--	--
Netherlands	61	32	--	--	--	--
Spain	268,957	9,534	4,713	445	28,983	723
United Kingdom	784	27	--	--	--	--
Venezuela	19,624	839	--	--	--	--
Total	1,297,676	45,623	17,378	1,985	299,482	6,858

1/ C.i.f. value (Customs value plus insurance and freight charges).
W Withheld to avoid disclosing company proprietary data.
SOURCE: U.S. BUREAU OF THE CENSUS.

Table 9.--Salient cement statistics

Year or month	Thousand short tons					Average price 5/ (current $/s.t.)
	Shipments 1/ 2/	Production 1/	Imports 3/	Exports	Inventories 4/	
1962	65,258	66,163	1,059	71	7,332	17.61
1963	68,666	69,260	758	86	7,425	17.17
1964	72,054	72,453	683	134	7,475	17.12
1965	73,637	73,103	1,035	141	6,193	16.90
1966	74,722	75,533	1,328	201	7,651	16.74
1967	73,371	72,539	1,112	184	7,807	16.87
1968	77,980	77,507	1,370	177	7,892	16.95
1969	80,319	78,375	1,821	111	7,129	17.20
1970	76,385	76,116	2,597	159	7,574	17.88
1971	82,397	80,317	3,088	125	6,425	19.01
1972	85,282	84,556	4,911	101	7,036	20.59
1973	90,727	87,573	6,686	825	5,557	22.23
1974	82,914	82,888	5,732	290	7,510	26.79
1975	70,684	69,721	3,702	494	6,923	31.41
1976	75,226	74,495	3,107	466	7,185	34.25
1977	81,614	80,060	4,038	239	6,074	36.76
1978	87,999	85,481	6,597	58	5,351	41.17
1979	87,153	85,904	9,412	151	6,637	46.61
1980	77,723	76,709	5,263	186	6,685	51.29
1981	72,974	72,932	3,997	303	7,408	52.46
1982	65,053	64,341	2,930	203	6,789	51.43
1983	71,865	71,347	4,268	118	6,743	50.45
1984	81,162	78,699	8,846	80	6,899	52.24
1985:	84,004	78,859	14,487	98	7,267	51.87
Jan	4,256	NA	850	2	NA	63.74
Feb	4,257	NA	840	3	NA	64.46
Mar	6,248	NA	1,024	5	NA	64.76
Apr	7,735	NA	1,053	10	NA	64.76
May	8,637	NA	1,219	5	NA	64.76
Jun	8,322	NA	1,374	14	NA	64.94
Jul	8,973	NA	1,659	10	NA	65.44
Aug	9,149	NA	1,278	8	NA	64.91
Sep	8,458	NA	1,433	6	NA	64.91
Oct	8,974	NA	1,349	7	NA	64.73
Nov	6,491	NA	1,151	5	NA	64.98
Dec	5,231	NA	1,263	24	NA	64.98
1986:						
Jan	5,676	NA	874	11	NA	65.92
Feb	4,641	NA	1,024	2	NA	66.07
Mar	6,376	NA	973	3	NA	65.84
Apr	8,131	NA	1,244	3	NA	65.69
May	8,454	NA	1,449	4	NA	66.70
Jun	8,771	NA	1,543	10	NA	65.56
Jul	9,168	NA	1,923	5	NA	64.43
Aug	9,090	NA	1,810	4	NA	63.35
Sep	8,980	NA	1,512	4	NA	63.43
Oct	9,588	NA	1,308	4	NA	63.28
Nov	6,861	NA	1,615	3	NA	63.28

NA = Not available.

1/Portland and masonry cement, and cement produced from imported clinker, for the 50 States and Puerto Rico.

2/Includes portland cement shipped by domestic producers and distributors.

3/Includes clinker.

4/Since 1973, annual data include Puerto Rico.

5/Annual: f.o.b. plant, Bureau of Mines annual canvass. Monthly: average of quotations for bulk cement in 20 cities, reported monthly in Engineering News Record. The quotations are significantly higher than the canvass data, 25% higher in 1985.

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MINERAL INDUSTRY SURVEYS

U. S. DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
WASHINGTON, D.C. 20241

Donald Paul Hodel, Secretary — Robert C. Horton, Director

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Cement Monthly

ORIGINAL

CEMENT IN DECEMBER 1986

Portland cement shipments in the United States and Puerto Rico were 5.78 million short tons in December, according to the Bureau of Mines, U.S. Department of the Interior. This was 16% above shipments in December 1985. Cumulative shipments for 1986, 88.5 million tons, were 7% more than cumulative shipments for 1985.

The leading portland cement producing States or districts (California, Texas, Pennsylvania, Michigan, and New York-Maine) shipped 37% of the December total. California, Florida, Texas, Virginia, and Georgia, the leading consuming States, received 41% of total shipments.

Masonry cement shipments of 247,000 tons in December were 19% above shipments in December 1985. The leading producing States or districts (Indiana, Kentucky-Virginia-West Virginia, Pennsylvania, Florida, and Michigan) shipped 45% of the total and leading consuming States (Florida, North Carolina, Virginia, Georgia, and Ohio) received 42% of total shipments. Cumulative shipments for 1986, 3.66 million tons, were 7% more than cumulative shipments for 1985.

Imports of cement and clinker were 1.04 million tons in December, or 17% below imports in December 1985. The principal import sources were Mexico, Canada, Spain, and Greece. Cumulative imports for 1986, 16.3 million tons, were 12% above cumulative imports for 1985.

Because complete import data were not available for this report, table 8 gives a short summary of December imports. Detailed tables of December imports will appear in a subsequent Mineral Industry Surveys. Tables 5, 6, and 7 contain November import data which were not available for publication in the November report.

Prepared in the Division of Industrial Minerals, February 11, 1987.

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TABLE 1. - CEMENT SHIPMENTS BY PRODUCING DISTRICTS FOR MONTH OF DECEMBER ,1986 1/

DISTRICT	FINISHED PORTLAND CEMENT (SHORT TONS)2/		PREPARED MASONRY CEMENT (SHORT TONS)	
	DECEMBER	YEAR TO DATE	DECEMBER	YEAR TO DATE
NEW YORK, MAINE	247,030	3,897,702	7,125	101,724
PENNSYLVANIA EASTERN	268,381	4,758,498	16,837	297,857
PENNSYLVANIA WESTERN	73,170	1,407,335	5,450	94,229
MARYLAND	122,947	1,817,833	6,130	113,250
OHIO	96,408	1,664,862	9,487	132,793
MICHIGAN	254,657	5,136,596	18,547	261,358
INDIANA	137,168	2,175,786	25,337	393,019
ILLINOIS	156,563	2,500,723	3/	3/
GEORGIA, TENNESSEE	137,283	2,105,659	13,270	206,599
SOUTH CAROLINA	160,139	2,258,289	3/	3/
KENTUCKY, VIRGINIA, WEST VIRGINIA	168,605	2,426,608	23,566	291,977
FLORIDA	241,877	3,239,219	21,113	385,097
NEBRASKA, WISCONSIN	35,323	951,888	575	9,258
ALABAMA	213,590	3,572,765	15,024	247,937
ARKANSAS, LOUISIANA, MISSISSIPPI	99,417	1,715,836	4,273	66,013
UTAH	52,461	1,013,773	103	1,455
SOUTH DAKOTA	21,064	634,883	198	3,771
IOWA	85,457	1,850,148	3,137	46,206
MISSOURI	240,366	4,301,530	10,455	169,264
KANSAS	104,192	1,672,154	3,502	51,051
OKLAHOMA	104,060	1,577,546	3,757	49,929
TEXAS NORTHERN	196,275	3,600,610	7,189	142,410
TEXAS SOUTHERN	262,987	4,597,929	3,445	54,463
IDAHO, MONTANA	22,601	690,876	115	3,176
COLORADO, WYOMING	62,129	1,422,510	3/	3/
ALASKA, OREGON	48,131	490,009		81
ARIZONA, NEVADA, NEW MEXICO	150,645	2,201,142	6,012	88,679
CALIFORNIA NORTHERN	204,515	2,689,328		362
CALIFORNIA SOUTHERN	608,829	7,134,390	3/	3/
HAWAII	25,929	286,242	668	7,414
WASHINGTON	48,647	1,035,170	807	5,843
PUERTO RICO	96,696	1,129,642		
U.S. TOTAL.....	4,747,542	75,977,481	225,734	3,539,953
FOREIGN IMPORTS....4/	1,028,158	12,476,589	21,350	124,794
TOTAL SHIPMENTS.....	5,775,700	88,454,070	247,084	3,664,747

1/ REVISIONS AND CORRECTIONS SUBMITTED AFTER THE INITIAL REPORT HAVE BEEN INCORPORATED IN THE APPROPRIATE MONTH.
2/ EXCLUDES CEMENT USED IN THE MANUFACTURE OF PREPARED MASONRY CEMENT
3/ WITHHELD TO AVOID DISCLOSING INDIVIDUAL COMPANY PROPRIETARY DATA; INCLUDED IN TOTALS
4/ AS REPORTED BY DOMESTIC AND CANADIAN CEMENT MANUFACTURERS AND OTHER IMPORTERS. SOURCE OF IMPORTS WITHHELD TO AVOID DISCLOSING INDIVIDUAL COMPANY DATA.

TABLE 2. - CEMENT SHIPMENTS BY DESTINATION FOR MONTH OF DECEMBER 1986 1/,2/

STATE	FINISHED PORTLAND CEMENT (SHORT TONS)3/		PREPARED MASONRY CEMENT (SHORT TONS)	
	DECEMBER	YEAR TO DATE	DECEMBER	YEAR TO DATE
ALABAMA	74,583	1,340,338	7,108	113,848
ALASKA	5,980	120,754	5/	5/
ARIZONA	169,283	2,400,088	5/	5/
ARKANSAS	54,362	805,040	3,397	48,432
CALIFORNIA NORTHERN	263,192	3,585,570	5/	5/
CALIFORNIA SOUTHERN	693,425	7,713,650	5/	5/
COLORADO	65,941	1,450,543	1,013	22,392
CONNECTICUT 4/	68,825	1,038,566	1,153	20,786
DELAWARE 4/	13,421	222,516	850	11,973
DISTRICT OF COLUMBIA 4/	10,210	141,875		351
FLORIDA	515,757	6,355,763	41,594	501,388
GEORGIA	191,097	3,114,260	14,170	239,397
HAWAII	25,929	286,242	668	7,414
IDAHO	10,423	290,524	38	564
ILLINOIS	86,534	1,512,390	2,290	29,460
CHICAGO METROPOLITAN 4/	107,523	1,802,739	4,517	58,987
INDIANA	100,033	1,587,484	6,584	95,941
IOWA	33,222	1,045,745	903	12,724
KANSAS	80,165	1,218,084	1,579	21,491
KENTUCKY	74,230	1,115,421	4,886	84,553
LOUISIANA	103,673	1,943,348	2,225	50,488
MAINE	20,021	335,914	827	11,559
MARYLAND	100,940	1,651,616	10,242	157,221
MASSACHUSETTS 4/	117,703	1,685,540	3,383	52,866
MICHIGAN	128,979	2,524,002	9,055	127,536
MINNESOTA 4/	71,486	1,494,185	3,077	46,063
MISSISSIPPI	43,142	827,466	2,783	55,166
MISSOURI	145,923	2,094,921	3,355	46,676
MONTANA	4,776	240,805	61	1,212
NEBRASKA	26,159	769,554	741	11,184
NEVADA	45,816	670,177		12
NEW HAMPSHIRE 4/	24,265	387,293	952	15,787
NEW JERSEY 4/	124,070	1,944,888	4,863	85,168
NEW MEXICO	40,272	572,002	483	8,514
NEW YORK EASTERN	44,901	756,157	2,930	42,805
NEW YORK WESTERN	49,986	944,325	3,442	52,638
NEW YORK METROPOLITAN 4/	154,399	1,815,885	3,802	53,360
NORTH CAROLINA 4/	135,973	1,979,008	17,873	263,960
NORTH DAKOTA 4/	10,078	276,658	222	4,299
OHIO	187,538	2,944,137	12,547	168,055
OKLAHOMA	76,124	1,100,774	2,361	33,985
OREGON	37,327	625,887	1	205
PENNSYLVANIA EASTERN	121,211	1,971,176	5,658	72,253
PENNSYLVANIA WESTERN	44,737	1,224,258	2,267	78,111
PUERTO RICO	96,696	2,129,642		
RHODE ISLAND 4/	14,165	199,259	324	5,728
SOUTH CAROLINA	75,915	1,050,557	9,843	136,236
SOUTH DAKOTA	10,480	332,185	197	3,915
TENNESSEE	114,605	1,655,409	12,479	184,332
TEXAS NORTHERN	236,952	4,548,913	7,849	139,171
TEXAS SOUTHERN	263,718	4,460,644	4,012	71,145
UTAH	44,540	935,920	104	1,813
VERMONT 4/	9,595	171,929	317	5,159
VIRGINIA	223,810	2,400,600	16,155	220,140
WASHINGTON	81,596	1,245,422	400	6,528
WEST VIRGINIA	24,782	425,688	1,560	29,687
WISCONSIN	58,930	1,474,555	2,751	47,104
WYOMING	8,695	342,072	65	1,075
U.S. POSS. AND TERR.	5/	5/	5/	5/
FOREIGN COUNTRIES 6/	7,587	145,407	7,128	103,890
TOTAL SHIPMENTS.....	5,775,700	88,454,070	247,084	3,664,747

1/ REVISIONS AND CORRECTIONS SUBMITTED AFTER THE INITIAL REPORT HAVE BEEN INCORPORATED IN THE APPROPRIATE MONTH.
2/ INCLUDES IMPORTED CEMENT SHIPPED BY DOMESTIC AND CANADIAN CEMENT MANUFACTURERS AND OTHER IMPORTERS.
3/ EXCLUDES CEMENT USED IN THE MANUFACTURE OF PREPARED MASONRY CEMENT.
4/ HAS NO CEMENT PRODUCING PLANTS.
5/ INCLUDED WITH FOREIGN COUNTRIES TO AVOID DISCLOSURE OF INDIVIDUAL COMPANY CONFIDENTIAL DATA.
6/ DIRECT SHIPMENTS BY PRODUCERS TO FOREIGN COUNTRIES, AND ALSO STATES INDICATED BY FOOTNOTE 5/.

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TABLE 3a - SHIPMENTS OF FINISHED PORTLAND CEMENT BY STATE OF DESTINATION (1981-1986) FOR MONTH OF DECEMBER 1/ 2/
IN THOUSAND SHORT TONS

STATE	1981	1982	1983	1984	1985	5-YEAR AVERAGE	1986	RECORD HIGH- QTY.	RECORD HIGH- YR	-PERCENT CHANGE FROM-- ---CURRENT YEAR TO---- 1985	5-YEAR AVG	RECORD YEAR
ALABAMA	59	71	67	83	85	73	75	108	77	-11.8	2.7	-30.6
ALASKA	4/	4/	4/	4/	4/	4/	4/	4/	4/	4/	4/	4/
ARIZONA	121	103	145	91	172	126	169	172	85	-1.7	34.1	-1.7
ARKANSAS	44	36	26	46	44	39	54	62	77	22.7	38.5	-12.9
CALIFORNIA NORTHERN	170	149	190	192	218	182	263	268	78	20.6	44.5	-1.9
CALIFORNIA SOUTHERN	356	303	405	327	509	380	693	693	86	36.1	2.4	0.0
COLORADO	110	91	61	94	69	85	66	116	80	-4.3	-22.4	-43.1
CONNECTICUT 3/	34	47	43	58	60	48	69	69	86	15.0	43.8	0.0
DELAWARE 3/	9	9	9	12	10	10	13	13	71	30.0	30.0	0.0
DISTRICT OF COLUMBIA 3/	7	11	5	8	8	8	10	29	74	25.0	25.0	-65.5
FLORIDA	372	357	443	486	476	427	516	516	86	8.4	20.8	0.0
GEORGIA	95	138	156	203	191	157	191	203	84	0.0	21.7	-5.9
HAWAII	18	19	17	10	19	17	26	42	69	36.8	52.9	-38.1
IDAHO	13	9	6	7	6	8	10	29	76	66.7	25.0	-65.5
ILLINOIS	124	120	84	117	107	110	194	240	70	81.3	76.4	-19.2
INDIANA	51	62	45	64	50	54	100	100	79	100.0	85.2	0.0
IOWA	27	34	19	29	13	24	33	66	79	153.8	37.5	-50.0
KANSAS	73	70	42	69	48	60	80	102	79	66.7	33.3	-21.6
KENTUCKY	47	45	35	45	43	43	74	74	86	72.1	72.1	0.0
LOUISIANA	192	169	171	190	182	181	104	226	78	-42.9	-42.5	-54.0
MAINE	11	11	13	13	16	13	20	20	86	25.0	53.8	0.0
MARYLAND	64	77	80	101	97	84	101	114	70	4.1	20.2	-11.4
MASSACHUSETTS 3/	60	85	83	97	98	85	118	118	86	20.4	38.8	0.0
MICHIGAN	65	55	52	90	92	71	129	141	78	40.2	81.7	-8.5
MINNESOTA 3/	53	47	32	47	47	45	71	77	79	51.1	57.8	-7.8
MISSISSIPPI	38	42	38	55	50	45	43	71	78	-14.0	-4.4	-39.4
MISSOURI	75	73	48	108	58	72	146	146	86	151.7	102.8	0.0
MONTANA	18	10	7	7	5	9	5	19	68	0.0	-44.4	-73.7
NEBRASKA	27	29	11	27	11	21	26	51	79	136.4	23.8	-49.0
NEVADA	31	23	31	29	45	32	46	46	86	2.2	43.8	0.0
NEW HAMPSHIRE 3/	16	20	15	23	24	20	24	24	85	0.0	20.0	0.0
NEW JERSEY 3/	75	90	90	136	108	100	124	152	70	14.8	24.0	-18.4
NEW MEXICO	57	37	48	42	48	46	40	57	81	-16.7	-13.0	-29.8
NEW YORK EASTERN	30	21	22	33	32	28	45	51	73	40.6	60.7	-11.8
NEW YORK WESTERN	31	41	30	35	34	34	50	53	73	47.1	47.1	-5.7
NEW YORK METROPOLITAN 3/	73	89	93	101	112	94	154	154	86	37.5	63.8	0.0
NORTH CAROLINA	63	103	80	121	126	99	136	136	86	7.9	37.4	0.0
NORTH DAKOTA 3/	22	11	12	11	12	14	10	22	81	-16.7	-28.6	-54.5
OHIO	99	117	101	114	104	107	188	200	73	80.8	75.7	-6.0
OKLAHOMA	162	151	98	94	79	117	76	162	81	-3.8	-35.0	-53.1

TABLE 3. - SHIPMENTS OF FINISHED PORTLAND CEMENT BY STATE OF DESTINATION (1981-1986) FOR MONTH OF DECEMBER 1/ 2/ PAGE 2
IN THOUSAND SHORT TONS

STATE	1981	1982	1983	1984	1985	5-YEAR AVERAGE	1986	RECORD HIGH- QTY.	RECORD HIGH- YR	-PERCENT CHANGE FROM-- ---CURRENT YEAR TO---- 1985	5-YEAR AVG	RECORD YEAR
OREGON	32	23	21	27	28	26	37	64	76	32.1	42.3	-42.2
PENNSYLVANIA EASTERN	71	83	82	111	94	88	121	148	70	28.7	37.5	-18.2
PENNSYLVANIA WESTERN	42	38	47	50	42	44	45	67	72	7.1	2.3	-32.8
RHODE ISLAND 3/	7	10	11	11	13	10	14	25	66	7.7	40.0	-44.0
SOUTH CAROLINA	51	53	58	69	75	61	76	76	86	1.3	24.6	0.0
SOUTH DAKOTA	8	6	3	6	3	5	10	14	76	233.3	100.0	-28.6
TENNESSEE	78	71	56	92	86	77	115	117	70	33.7	49.4	-1.7
TEXAS	754	658	615	654	769	690	501	769	85	-34.9	-27.4	-34.9
UTAH	40	32	40	42	35	38	45	65	76	28.6	18.4	-30.8
VERMONT 3/	5	7	6	7	9	7	10	10	86	11.1	42.9	0.0
VIRGINIA	77	86	94	138	152	109	224	224	86	47.4	105.5	0.0
WASHINGTON	68	55	45	47	64	56	82	124	79	28.1	46.4	-33.9
WEST VIRGINIA	15	26	18	18	15	18	25	37	77	66.7	38.9	-32.4
WISCONSIN	46	41	37	39	31	39	59	74	70	90.3	51.3	-20.3
WYOMING	32	17	13	19	12	19	9	32	81	-25.0	-52.6	-71.9
PUERTO RICO	72	67	74	70	75	72	97	161	71	29.3	34.7	-39.8
UNDISTRIBUTED 5/	5	5	6	5	5	5	6	16	73	20.0	20.0	-62.5
TOTAL	4395	4253	4169	4819	5016	4530	5768	5768	86	15.0	27.3	0.0

1/ INCLUDES IMPORTED CEMENT SHIPPED BY DOMESTIC AND CANADIAN CEMENT MANUFACTURERS AND OTHER IMPORTERS.
2/ EXCLUDES CEMENT USED IN THE MANUFACTURE OF PREPARED MASONRY CEMENT
3/ HAS NO CEMENT PRODUCING PLANT.
4/ INCLUDED WITH UNDISTRIBUTED TO AVOID DISCLOSURE OF INDIVIDUAL COMPANY DATA.
5/ DIRECT SHIPMENTS BY PRODUCERS TO FOREIGN COUNTRIES, AND ALSO STATES INDICATED BY FOOTNOTE 4/.

TABLE 4. - SHIPMENTS OF PREPARED MASONRY CEMENT BY STATE OF DESTINATION (1981-1986) FOR YEAR-TO-DATE DECEMBER 1/ PAGE 7
IN THOUSAND SHORT TONS

STATE	1981	1982	1983	1984	1985	5-YEAR AVERAGE	1986	RECORD HIGH- QTY.	RECORD HIGH- YR	-PERCENT CHANGE FROM--CURRENT YEAR TO---- 1985	5-YEAR AVG	RECORD YEAR
ALABAMA	76	65	85	94	100	84	114	141	78	14.0	35.7	-19.1
ALASKA	3/	3/	3/	3/	3/	3/	3/	3/	3/	3/	3/	3/
ARIZONA	3/	3/	3/	3/	3/	3/	3/	3/	3/	3/	3/	3/
ARKANSAS	3?	31	41	44	45	40	48	77	77	6.7	20.0	-37.7
CALIFORNIA NORTHERN		4/		4/			4/	1	79	0.0	0.0	-100.0
CALIFORNIA SOUTHERN			5	6	4	3	5	13	79	25.0	66.7	-61.5
COLORADO	27	23	27	30	23	26	22	46	73	-4.3	-15.4	-52.2
CONNECTICUT 2/	16	13	15	16	17	15	21	21	86	23.5	40.0	0.0
DELAWARE 2/	6	7	9	11	10	9	12	13	73	20.0	33.3	-7.7
DISTRICT OF COLUMBIA 2/	2	2	1	1	1	1	4/	22	73	-100.0	-100.0	-100.0
FLORIDA	389	320	398	488	467	412	501	501	86	7.3	21.6	0.0
GEORGIA	150	146	189	209	228	184	239	243	73	4.8	29.9	-1.6
HAWAII	10	6	6	6	7	7	7	16	73	0.0	0.0	-56.3
IDAHO	2	1	1	1	1	1	1	3	75	0.0	0.0	-66.7
ILLINOIS	70	54	64	71	72	66	88	143	78	22.2	33.3	-38.5
INDIANA	69	61	68	76	76	70	96	131	78	26.3	37.1	-26.7
IOWA	16	12	12	13	11	13	13	33	78	18.2	0.0	-60.6
KANSAS	22	18	21	23	20	21	21	34	76	5.0	0.0	-38.2
KENTUCKY	75	66	76	80	78	75	85	139	78	9.0	13.3	-38.8
LOUISIANA	70	67	74	80	65	71	50	108	78	-23.1	-29.6	-53.7
MAINE	9	8	8	10	10	9	12	13	73	20.0	33.3	-7.7
MARYLAND	97	90	112	130	139	114	157	157	86	12.9	37.7	0.0
MASSACHUSETTS 2/	36	32	34	44	45	38	53	53	86	17.8	39.5	0.0
MICHIGAN	86	58	70	90	105	82	128	183	78	21.9	56.1	-30.1
MINNESOTA 2/	38	33	38	41	40	38	46	66	78	15.0	21.1	-30.3
MISSISSIPPI	51	41	51	60	57	52	55	86	78	-3.5	5.8	-36.0
MISSOURI	35	28	39	48	39	38	47	59	78	20.5	23.7	-20.3
MONTANA	2	1	2	2	1	2	1	4	77	0.0	-50.0	-75.0
NEBRASKA	12	9	11	12	11	11	11	20	77	0.0	0.0	-45.0
NEVADA				4/	4/		4/	1	78	0.0	0.0	-100.0
NEW HAMPSHIRE 2/	10	9	8	15	15	11	16	16	86	6.7	45.5	0.0
NEW JERSEY 2/	58	53	56	68	78	63	85	87	73	9.0	34.9	-2.3
NEW MEXICO	11	10	12	10	10	11	9	17	73	-10.0	-18.2	-47.1
NEW YORK EASTERN	24	22	22	31	36	27	43	43	73	19.4	59.3	0.0
NEW YORK WESTERN	34	32	36	40	43	37	53	68	73	23.3	43.2	-22.1
NEW YORK METROPOLITAN 2/	36	38	51	48	50	45	53	53	86	6.0	17.8	0.0
NORTH CAROLINA	173	153	196	224	238	197	264	288	73	10.9	34.0	-8.3
NORTH DAKOTA 2/	6	6	6	6	5	6	4	10	77	-20.0	-33.3	-60.0
OHIO	124	99	116	129	135	121	168	240	78	24.4	38.8	-30.0
OKLAHOMA	55	55	67	60	40	55	34	81	78	-15.0	-38.2	-58.0

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TABLE 4. - SHIPMENTS OF PREPARED MASONRY CEMENT BY STATE OF DESTINATION (1981-1986) FOR YEAR-TO-DATE DECEMBER 1/
IN THOUSAND SHORT TONS

STATE	1981	1982	1983	1984	1985	5-YEAR AVERAGE	1986	RECORD HIGH- QTY.	RECORD HIGH- YR	-PERCENT CHANGE FROM-- ---CURRENT YEAR TO---- 1985	5-YEAR AVG	RECORD YEAR
OREGON	1	1	1	4/	4/	1	4/	2	78	0.0	-100.0	-100.0
PENNSYLVANIA EASTERN	50	45	55	57	61	54	72	83	73	18.0	33.3	-13.3
PENNSYLVANIA WESTERN	64	59	56	60	71	62	78	111	78	9.9	25.8	-29.7
RHODE ISLAND 2/	4	4	3	5	4	4	6	6	73	50.0	50.0	0.0
SOUTH CAROLINA	89	81	106	116	119	102	136	162	73	14.3	33.3	-16.0
SOUTH DAKOTA	4	3	4	4	4	4	4	11	77	0.0	0.0	-63.6
TENNESSEE	106	99	129	142	153	126	184	211	78	20.3	46.0	-12.8
TEXAS	214	240	285	304	273	263	210	304	84	-23.1	-20.2	-30.9
UTAH	2	1	1	1	2	1	2	3	78	0.0	100.0	-33.3
VERMONT 2/	5	4	4	4	4	4	5	7	74	25.0	25.0	-28.6
VIRGINIA	130	112	147	167	177	147	220	250	73	24.3	49.7	-12.0
WASHINGTON	9	6	6	7	6	7	7	11	79	16.7	0.0	-36.4
WEST VIRGINIA	34	30	29	29	29	30	30	61	78	3.4	0.0	-50.8
WISCONSIN	41	32	36	48	40	38	47	78	78	17.5	23.7	-39.7
WYOMING	3	2	2	2	2	2	1	5	76	-50.0	-50.0	-80.0
PUERTO RICO								4/	74	0.0	0.0	0.0
FOREIGN COUNTRIES	3/	3/	3/	3/	3/	3/	3/	3/	3/	3/	3/	3/
UNDISTRIBUTED 5/	84	60	86	97	103	86	99	105	78	-3.9	15.1	-5.7
TOTAL	2776	2448	2977	3352	3370	2985	3663	4191	73	8.7	22.7	-12.6

1/ INCLUDES IMPORTED CEMENT SHIPPED BY DOMESTIC AND CANADIAN CEMENT MANUFACTURERS AND OTHER IMPORTERS.
2/ HAS NO CEMENT PRODUCING PLANT.
3/ INCLUDED WITH UNDISTRIBUTED TO AVOID DISCLOSURE OF INDIVID UAL COMPANY DATA.
4/ LESS THAN 1/2 UNIT.
5/ DIRECT SHIPMENTS BY PRODUCER TO FOREIGN COUNTRIES, AND ALSO STATES INDICATED BY FOOTNOTE 3/.

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TABLE 5.- HYDRAULIC CEMENT 1/ AND CLINKER 2/ IMPORTED FOR CONSUMPTION IN THE UNITED STATES
NOVEMBER 1986 BY COUNTRY AND CUSTOMS DISTRICT 3/
(SHORT TONS)

CUSTOMS DISTRICT	BAHAMAS	BAHRAIN	BARBADOS	BELGIUM-LUXEMBOURG	BRAZIL	BURUNDI	CANADA	CHINA	COLOMBIA
ANCHORAGE, ALASKA									
BALTIMORE, MD.				315					6,944
BOSTON, MASS.									
BUFFALO, N.Y.							93,201		
CHARLESTON, S.C.									
CHICAGO, ILL.									
CLEVELAND, OHIO									
DETROIT, MICH.							44,777		
DULUTH, MINN.							29,212		
EL PASO, TEX.									
GREAT FALLS, MONT.							25		
HONOLULU, HAWAII									
HOUSTON, TEX.									29,499
LAREDO, TEX.									
LOS ANGELES, CALIF.									
MIAMI, FLA.									
MOBILE, ALA.									
NEW ORLEANS, LA.							19,644		
NEW YORK CITY, N.Y.									
NOGALES, ARIZ.									
PEMBINA, N. DAK.	5,363								
PHILADELPHIA, PA.							44,243		
PORT ARTHUR, TEX.							3,329		
PORTLAND, MAINE									
PORTLAND, OREG.							896		
PROVIDENCE, R.I.									
SAN DIEGO, CALIF.									10,611
SAN FRANCISCO, CALIF.							7,072		
SAN JUAN, P.R.			2,333	317	176				
SAVANNAH, GA.									
SEATTLE, WASH.							44,934		
ST. ALBANS, VT.							42,170		
TAMPA, FLA.									9,065
VIRGIN ISLANDS OF U.S.									1,970
WILMINGTON, N.C.									31,958
CERTIFIED:									
QUANTITY 4/	5,363		2,333	632	176		325,507		90,121
VALUE 5/	$264,248		$110,553	$79,496	$15,857		$13,816,311		$2,977,637
YEAR-TO-DATE:									
QUANTITY 4/	35,389	50,616	42,429	10,871	1,298	3,912	3,045,758	54	836,248
VALUE 5/	$1,430,171	$1,636,197	$2,015,006	$1,311,059	$137,690	$128,000	$126,202,119	$11,657	$25,842,891

TABLE 5. - HYDRAULIC CEMENT 1/ AND CLINKER 2/ IMPORTED FOR CONSUMPTION IN THE UNITED STATES
NOVEMBER 1986 BY COUNTRY AND CUSTOMS DISTRICT 3/ - CONTINUED
(SHORT TONS)

CUSTOMS DISTRICT	COSTA RICA	DENMARK	DOMINICAN REPUBLIC	FRANCE	GERMANY, WEST	GREECE	HONDURAS	JAPAN
ANCHORAGE, ALASKA								
BALTIMORE, MD.						22,046		
BOSTON, MASS.								
BUFFALO, N.Y.								
CHARLESTON, S.C.					55			
CHICAGO, ILL.								
CLEVELAND, OHIO								
DETROIT, MICH.								
DULUTH, MINN.								
EL PASO, TEX.								
GREAT FALLS, MONT.					10			27,535
HONOLULU, HAWAII								
HOUSTON, TEX.					23			
LAREDO, TEX.								
LOS ANGELES, CALIF.		2,206			44			
MIAMI, FLA.	77							
MOBILE, ALA.								
NEW ORLEANS, LA.				42,138				
NEW YORK CITY, N.Y.					3	88,451		
NOGALES, ARIZ.								
NORFOLK, VA.								
OGDENSBURG, N.Y.								
PEMBINA, N. DAK.								
PHILADELPHIA, PA.								
PORT ARTHUR, TEX.								
PORTLAND, MAINE								
PORTLAND, OREG.								
PROVIDENCE, R.I.								
SAN DIEGO, CALIF.								
SAN FRANCISCO, CALIF.							2,171	
SAN JUAN, P.R.		389			9			
SAVANNAH, GA.								
SEATTLE, WASH.								
ST. ALBANS, VT.								
TAMPA, FLA.				37,421		34,719		
VIRGIN ISLANDS OF U.S.								
WILMINGTON, N.C.								
NOVEMBER:								
QUANTITY 4/	77	2,595		79,559	153	145,216	2,171	27,535
VALUE 5/	$2,646	$268,320		$2,163,037	$84,291	$3,792,651	$95,881	$761,890
YEAR-TO-DATE:								
QUANTITY 4/	252	48,513	1,336	669,129	1,860	1,174,057	19,640	749,663
VALUE 5/	$10,915	$5,136,003	$44,157	$24,016,296	$625,555	$30,973,752	$859,805	$24,806,291

TABLE 5. - HYDRAULIC CEMENT 1/ AND CLINKER 2/ IMPORTED FOR CONSUMPTION IN THE UNITED STATES
NOVEMBER 1986 BY COUNTRY AND CUSTOMS DISTRICT 3/ - CONTINUED
(SHORT TONS)

CUSTOMS DISTRICT	KOREA, REPUBLIC OF	LEEWARD AND WINDWARD	MALAYSIA	MEXICO	NETHERLANDS	PANAMA	PHILIPPINES	SPAIN
ANCHORAGE, ALASKA								
BALTIMORE, MD.								
BOSTON, MASS.								
BUFFALO, N.Y.								
CHARLESTON, S.C.								
CHICAGO, ILL.								
CLEVELAND, OHIO								
DETROIT, MICH.								
DULUTH, MINN.								
EL PASO, TEX.				60,551				
GREAT FALLS, MONT.								
HONOLULU, HAWAII								
HOUSTON, TEX.				6,441				33,365
LAREDO, TEX.				12,399				
LOS ANGELES, CALIF.	71,034							36,376
MIAMI, FLA.				48,751				84,787
MOBILE, ALA.				77,771				
NEW ORLEANS, LA.				24,772				17,086
NEW YORK CITY, N.Y.				2,100				43,477
NOGALES, ARIZ.				40,444				
NORFOLK, VA.								55,569
OGDENSBURG, N.Y.								
PEMBINA, N. DAK.								
PHILADELPHIA, PA.					61			17,667
PORT ARTHUR, TEX.								
PORTLAND, MAINE								
PORTLAND, OREG.	35,025							
PROVIDENCE, R.I.				21,389				
SAN DIEGO, CALIF.				105,386				
SAN FRANCISCO, CALIF.				9,929				
SAN JUAN, P.R.								
SAVANNAH, GA.								11,072
SEATTLE, WASH.								
ST. ALBANS, VT.								
TAMPA, FLA.				89,720				3,253
VIRGIN ISLANDS OF U.S.								
WILMINGTON, N.C.								
NOVEMBER:								
QUANTITY 4/	106,059			499,653	61			302,652
VALUE 5/	$3,602,001			$14,716,162	$32,076			$10,701,799
YEAR-TO-DATE:								
QUANTITY 4/	414,875	3,861	42	3,905,188	2,288	14,574	16,605	3,011,374
VALUE 5/	$13,489,417	$167,353	$2,640	$122,913,030	$1,234,859	$345,074	$143,108	$104,039,807

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TABLE 5. - HYDRAULIC CEMENT 1/ AND CLINKER 2/ IMPORTED FOR CONSUMPTION IN THE UNITED STATES
NOVEMBER 1986 BY COUNTRY AND CUSTOMS DISTRICT 3/ - CONTINUED
(SHORT TONS)

CUSTOMS DISTRICT	TAIWAN	TURKEY	UNITED KINGDOM	VENEZUELA	YUGOSLAVIA	TOTAL 4/ NOVEMBER	TOTAL 4/ TO DATE
ANCHORAGE, ALASKA							44,680
BALTIMORE, MD.						7,259	200,607
BOSTON, MASS.						22,046	248,590
BUFFALO, N.Y.						93,201	888,237
CHARLESTON, S.C.							59,972
CHICAGO, ILL.						55	263
CLEVELAND, OHIO			784			784	25,663
DETROIT, MICH.						44,777	339,718
DULUTH, MINN.						29,212	186,215
EL PASO, TEX.						60,551	475,585
GREAT FALLS, MONT.						44	963
HONOLULU, HAWAII						27,535	94,852
HOUSTON, TEX.						69,328	806,488
LAREDO, TEX.						12,399	174,647
LOS ANGELES, CALIF.	120					109,780	889,775
MIAMI, FLA.				552		134,177	1,167,872
MOBILE, ALA.						77,771	709,618
NEW ORLEANS, LA.						103,640	1,428,361
NEW YORK CITY, N.Y.				6,000		140,031	1,199,949
NOGALES, ARIZ.						40,444	358,230
NORFOLK, VA.						64,962	349,834
OGDENSBURG, N.Y.						44,243	376,392
PEMBINA, N. DAK.						3,329	47,299
PHILADELPHIA, PA.						17,728	116,751
PORT ARTHUR, TEX.							185,747
PORTLAND, MAINE						896	23,683
PORTLAND, OREG.						35,025	84,002
PROVIDENCE, R.I.						32,070	262,676
SAN DIEGO, CALIF.						108,458	653,780
SAN FRANCISCO, CALIF.						9,929	346,833
SAN JUAN, P.R.						5,406	152,317
SAVANNAH, GA.						11,081	114,842
SEATTLE, WASH.						44,934	472,580
ST. ALBANS, VT.						42,170	366,118
TAMPA, FLA.				13,062		187,244	2,237,951
VIRGIN ISLANDS OF U.S.						1,970	35,846
WILMINGTON, N.C.						31,958	143,551
NOVEMBER:							
QUANTITY 4/	120		784	19,624		1,614,437	
VALUE 5/	$13,650		$27,483	$838,538		$54,460,557	
YEAR-TO-DATE:							
QUANTITY 4/	135	6	787	1,211,813	1,817		15,274,390
VALUE 5/	$19,264	$4,470	$31,780	$39,251,270	$543,116		$527,372,752

1/ INCLUDES WHITE CEMENT AS SHOWN IN TABLE 6.
2/ INCLUDES CLINKER AS SHOWN IN TABLE 7.
3/ INCLUDES PUERTO RICO.
4/ DATA MAY NOT ADD TO TOTALS SHOWN BECAUSE OF INDEPENDENT ROUNDING.
5/ VALUE=CIF (COST, INSURANCE AND FREIGHT).
SOURCE: U.S. BUREAU OF THE CENSUS.

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TABLE 6. - WHITE CEMENT IMPORTED FOR CONSUMPTION IN THE UNITED STATES
NOVEMBER 1986 BY COUNTRY AND CUSTOMS DISTRICT 1/ 2/
(SHORT TONS)

CUSTOMS DISTRICT	--BARBADOS--	BELGIUM, -LUXEMBOURG-	---BRAZIL---	---CANADA---	--COLOMBIA--	---DENMARK--	DOMINICAN --REPUBLIC--	GERMANY ----WEST----
ANCHORAGE, ALASKA----------								
BALTIMORE, MD.----------		315						
BUFFALO, N.Y.----------				W				
DETROIT, MICH.----------				W				
EL PASO, TEX.----------								
GREAT FALLS, MONT.----------								
HONOLULU, HAWAII----------								
LAREDO, TEX.----------								
LOS ANGELES, CALIF.----------						W		
MIAMI, FLA.----------								
NEW YORK CITY, N.Y.----------								
NOGALES, ARIZ.----------								
OGDENSBURG, N.Y.----------				23				
PHILADELPHIA, PA.----------								
PORTLAND, MAINE----------								
SAN DIEGO, CALIF.----------								
SAN JUAN, P.R.----------		337	176			389		
SEATTLE, WASH.----------								
ST. ALBANS, VT.----------								
TAMPA, FLA.----------								
VIRGIN ISLANDS OF U.S.------					850			
NOVEMBER:								
QUANTITY 3/----------		652	176	W	850	W		
VALUE 4/----------		$79,496	$15,827	W	$74,181	W		
YEAR-TO-DATE:								
QUANTITY 3/----------	10,251	10,598	1,298	W	19,868	W	829	670
VALUE 4/----------	$446,945	$1,269,858	$137,690	W	$1,126,849	W	$23,250	$63,242

TABLE 6. - WHITE CEMENT IMPORTED FOR CONSUMPTION IN THE UNITED STATES
NOVEMBER 1986 BY COUNTRY AND CUSTOMS DISTRICT 1/ 2/ - CONTINUED
(SHORT TONS)

CUSTOMS DISTRICT	JAPAN	KOREA, REPUBLIC OF	LEEWARD AND WINDWARD	MEXICO	SPAIN	VENEZUELA	TOTAL 3/ NOVEMBER	TOTAL 3/ TO DATE
ANCHORAGE, ALASKA								39
BALTIMORE, MD.							315	315
BUFFALO, N.Y.							W	W
DETROIT, MICH.							W	W
EL PASO, TEX.				211			211	2,656
GREAT FALLS, MONT.								2
HONOLULU, HAWAII								19
LAREDO, TEX.				588			588	13,854
LOS ANGELES, CALIF.							W	W
MIAMI, FLA.					3,385		3,385	8,127
NEW YORK CITY, N.Y.					666		666	11,120
NOGALES, ARIZ.								851
OGDENSBURG, N.Y.							23	115
PHILADELPHIA, PA.					661		661	6,997
PORTLAND, MAINE								28
SAN DIEGO, CALIF.				789			789	9,776
SAN JUAN, P.R.							902	28,194
SEATTLE, WASH.								18
ST. ALBANS, VT.								3
TAMPA, FLA.								36,624
VIRGIN ISLANDS OF U.S.							850	31,093
NOVEMBER:								
QUANTITY 3/				1,588	4,712		17,378	
VALUE 4/				$145,919	$444,683		$1,985,446	
YEAR-TO-DATE:								
QUANTITY 3/	1,410	39	3,228	29,073	23,888	8,622		245,185
VALUE 4/	$788,342	$8,350	$130,632	$2,705,393	$4,280,647	$439,067		$29,042,181

W WITHHELD TO AVOID DISCLOSING COMPANY PROPRIETARY DATA.
1/ DATA INCLUDED IN TABLE 5.
2/ INCLUDES PUERTO RICO.
3/ DATA MAY NOT ADD TO TOTALS SHOWN BECAUSE OF INDEPENDENT ROUNDING.
4/ VALUE=CIF (COST, INSURANCE AND FREIGHT).
SOURCE: U.S. BUREAU OF THE CENSUS.

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TABLE 7. - CLINKER IMPORTED FOR CONSUMPTION IN THE UNITED STATES
NOVEMBER 1986 BY COUNTRY AND CUSTOMS DISTRICT 1/ 2/
(SHORT TONS)

CUSTOMS DISTRICT	CANADA	COLOMBIA	FRANCE	GREECE	JAPAN	KOREA, REPUBLIC OF	MEXICO	PHILIPPINES
ANCHORAGE, ALASKA								
BALTIMORE, MD.								
BUFFALO, N.Y.								
CHARLESTON, S.C.								
DETROIT, MICH.								
EL PASO, TEX.					27,535			
HONOLULU, HAWAII								
HOUSTON, TEX.		29,499						
LAREDO, TEX.								
LOS ANGELES, CALIF.							77,771	
MOBILE, ALA.								
NEW ORLEANS, LA.			27,808					
NEW YORK CITY, N.Y.				27,061				
NORFOLK, VA.								
PHILADELPHIA, PA.								
PORT ARTHUR, TEX.								
PORTLAND, MAINE								
SAN DIEGO, CALIF.								
SAN FRANCISCO, CALIF.								
SAN JUAN, P.R.								
SEATTLE, WASH.	5,033							
ST. ALBANS, VT.							38,371	
TAMPA, FLA.			37,421					
NOVEMBER:								
QUANTITY 3/	5,033	29,499	65,229	27,061	27,535		116,142	
VALUE 4/	$212,407	$794,949	$1,498,017	$608,121	$761,890		$2,259,793	
YEAR-TO-DATE:								
QUANTITY 3/	352,206	247,236	529,414	455,643	234,012	29,109	1,028,382	16,605
VALUE 4/	$12,535,083	$6,173,291	$14,323,585	$12,003,951	$6,190,775	$635,961	$22,359,575	$143,108

TABLE 7. - CLINKER IMPORTED FOR CONSUMPTION IN THE UNITED STATES
NOVEMBER 1986 BY COUNTRY AND CUSTOMS DISTRICT 1/ 2/ - CONTINUED
(SHORT TONS)

CUSTOMS DISTRICT	SPAIN	VENEZUELA	TOTAL 3/ NOVEMBER	TOTAL 3/ TO DATE
ANCHORAGE, ALASKA				800
BALTIMORE, MD.				32,599
BUFFALO, N.Y.				24
CHARLESTON, S.C.				59,972
DETROIT, MICH.				137,865
EL PASO, TEX.				38,131
HONOLULU, HAWAII			27,535	79,321
HOUSTON, TEX.			29,499	416,098
LAREDO, TEX.				219
LOS ANGELES, CALIF.				46,430
MOBILE, ALA.			77,771	709,618
NEW ORLEANS, LA.			27,808	408,509
NEW YORK CITY, N.Y.	28,983		56,044	274,546
NORFOLK, VA.				31,582
PHILADELPHIA, PA.				898
PORT ARTHUR, TEX.				185,747
PORTLAND, MAINE				12,872
SAN DIEGO, CALIF.				97,767
SAN FRANCISCO, CALIF.				84,656
SAN JUAN, P.R.				33,761
SEATTLE, WASH.			5,033	199,791
ST. ALBANS, VT.				1,121
TAMPA, FLA.			75,792	900,875
NOVEMBER:				
QUANTITY 3/	28,983		299,482	
VALUE 4/	$723,085		$6,858,262	
YEAR-TO-DATE:				
QUANTITY 3/	648,129	213,466		3,753,202
VALUE 4/	$16,105,726	$4,839,322		$95,310,297

1/ DATA INCLUDED IN TABLE 5.
2/ INCLUDES PUERTO RICO.
3/ DATA MAY NOT ADD TO TOTALS SHOWN BECAUSE OF INDEPENDENT ROUNDING.
4/ VALUE=CIF (COST, INSURANCE AND FREIGHT).
SOURCE: U.S. BUREAU OF THE CENSUS.

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Table 8.--Summary of cement and clinker imported for consumption in the United States and Puerto Rico, December 1986

(Short tons and thousand dollars 1/)

Country of origin	Hydraulic cement		White cement		Clinker	
	Quantity	Value	Quantity	Value	Quantity	Value
Bahrain	7,220	244	--	--	--	--
Belgium	13	5	940	138	--	--
Brazil	7	2	--	--	--	--
Canada	217,003	7,084	W	W	5,521	233
Colombia	44,300	1,369	--	--	32,394	858
Denmark	--	--	W	W	--	--
Germany, Federal Republic of	89	39	--	--	--	--
Greece	49,622	1,378	--	--	51,428	1,155
Honduras	4,323	193	--	--	--	--
Japan	56	26	--	--	--	--
Korea, Republic of	40,749	1,712	--	--	--	--
Leeward and Windward	58	5	--	--	--	--
Mexico	270,005	8,946	890	81	66,135	1,464
Netherlands	180	96	--	--	--	--
Spain	97,960	4,008	3,584	636	63,131	1,547
Venezuela	78,091	2,422	--	--	--	--
Yugoslavia	74	22	--	--	--	--
Total	809,750	27,551	16,017	2,248	218,609	5,257

1/ C.i.f. value (Customs value plus insurance and freight charges).
W Withheld to avoid disclosing company proprietary data.
SOURCE: U.S. BUREAU OF THE CENSUS.

Table 9.--Salient cement statistics

Year or month	Thousand short tons					Average price 5/ (current $/s.t.)
	Shipments 1/ 2/	Production 1/	Imports 3/	Exports	Inventories 4/	
1962	65,258	66,163	1,059	71	7,332	17.61
1963	68,666	69,260	758	86	7,425	17.17
1964	72,054	72,453	683	134	7,475	17.12
1965	73,637	73,103	1,035	141	6,193	16.90
1966	74,722	75,533	1,328	201	7,651	16.74
1967	73,371	72,539	1,112	184	7,807	16.87
1968	77,980	77,507	1,370	177	7,892	16.95
1969	80,319	78,375	1,821	111	7,129	17.20
1970	76,385	76,116	2,597	159	7,574	17.88
1971	82,397	80,317	3,088	125	6,425	19.01
1972	85,282	84,556	4,911	101	7,036	20.59
1973	90,727	87,573	6,686	825	5,557	22.23
1974	82,914	82,898	5,732	290	7,510	26.79
1975	70,684	69,721	3,702	494	6,923	31.41
1976	75,226	74,495	3,107	466	7,185	34.25
1977	81,614	80,060	4,038	239	6,074	36.76
1978	87,999	85,481	6,597	58	5,351	41.17
1979	87,153	85,904	9,412	151	6,637	46.61
1980	77,723	76,709	5,263	186	6,685	51.29
1981	72,974	72,932	3,997	303	7,408	52.46
1982	65,053	64,341	2,930	203	6,789	51.43
1983	71,865	71,347	4,268	118	6,743	50.45
1984	81,162	78,699	8,846	80	6,899	52.24
1985:	84,004	78,859	14,487	98	7,267	51.87
Jan	4,256	NA	850	2	NA	63.74
Feb	4,257	NA	840	3	NA	64.46
Mar	6,248	NA	1,024	5	NA	64.76
Apr	7,735	NA	1,053	10	NA	64.76
May	8,637	NA	1,219	5	NA	64.76
Jun	8,322	NA	1,374	14	NA	64.94
Jul	8,973	NA	1,659	10	NA	65.44
Aug	9,149	NA	1,278	8	NA	64.91
Sep	8,458	NA	1,433	6	NA	64.91
Oct	8,974	NA	1,349	7	NA	64.73
Nov	6,491	NA	1,151	5	NA	64.98
Dec	5,231	NA	1,263	24	NA	64.98
1986:						
Jan	5,676	NA	874	11	NA	65.92
Feb	4,641	NA	1,024	2	NA	66.07
Mar	6,376	NA	973	3	NA	65.84
Apr	8,131	NA	1,244	3	NA	65.69
May	8,454	NA	1,449	4	NA	66.70
Jun	8,771	NA	1,543	10	NA	65.56
Jul	9,168	NA	1,923	5	NA	64.43
Aug	9,090	NA	1,810	4	NA	63.35
Sep	8,980	NA	1,512	4	NA	63.43
Oct	9,588	NA	1,308	4	NA	63.28
Nov	6,861	NA	1,615	3	NA	63.28
Dec	6,023	NA	1,044	3	NA	63.63

NA = Not available.

1/Portland and masonry cement, and cement produced from imported clinker, for the 50 States and Puerto Rico.

2/Includes portland cement shipped by domestic producers and distributors.

3/Includes clinker.

4/Since 1973, annual data include Puerto Rico.

5/Annual: f.o.b. plant, Bureau of Mines annual canvass. Monthly: average of quotations for bulk cement in 20 cities, reported monthly in Engineering News Record. The quotations are significantly higher than the canvass data, 25% higher in 1985.

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